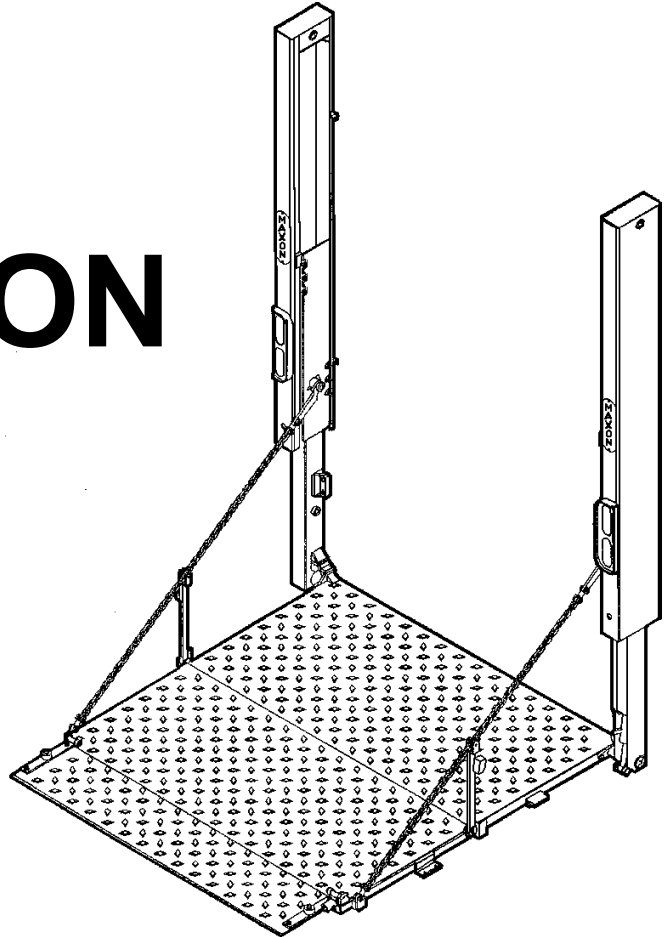


M-96-21  
REV. A  
MAR. 1999

# MAXON®

 **COLUMNLIFT®**  
**LIFT GATE SERIES**

## BMR OPERATION MANUAL



**MAXON®**  
**LIFT CORP.**

11921 Slauson Avenue.  
Santa Fe Springs, CA. 90670  
(800) 227-4116

# **MAXON<sup>®</sup>**

**LIFT CORP.**

**11921 Slauson Ave.  
Santa Fe Springs, CA. 90670**

---

## **CUSTOMER SERVICE:**

**TELEPHONE (562) 464-0099 TOLL FREE (800) 227-4116**

**FAX: (888) 771-7713**

**NOTE: Check with Customer Service for updated versions  
of Manuals on an annual basis.**

## **WARRANTY POLICY & PROCEDURE**

### **NEW LIFTGATE WARRANTY**

Term of Warranty: 2 Years from Date of In-Service

Type of Warranty: Full Parts and Labor

MAXON agrees to replace any components which are found to be defective during the first 2 years of service, and will reimburse for labor based on MAXON's Liftgate Warranty Flat Rate Labor Schedule. (Call MAXON Customer Service for a copy).

All claims for warranty must be received within 30 Days of the repair date, and include the following information:

1. Liftgate Model Number
2. Liftgate Serial Number
3. Detailed Description of Problem
4. Corrective Action Taken, and Date of Repair.
5. Parts used for Repair, Including MAXON Part Number(s).
6. MAXON R.M.A. # and/or Authorization # if applicable (see below).
7. Person contacted at MAXON if applicable.

All warranty repairs must be performed by an authorized MAXON warranty station. For major repairs, MAXON Customer Service must be notified and an "Authorization Number" obtained. Major repairs would generally be considered repairs made to the structural assembly of the liftgate and/or repairs not outlined in the MAXON Liftgate Warranty Flat Rate Schedule.

Major components (i.e. hydraulic pumps, cylinders, valves, or failed structural parts) must be returned, freight pre-paid, prior to the claim being processed. To ensure timely processing of these warranty claims, an R.M.A. (Returned Merchandise Authorization) number must be obtained from MAXON Customer Service prior to the return of any defective part. Defective Parts must be returned within 60 days of the claim date for consideration to:

**MAXON Lift Corp.  
16205 Distribution Way, Cerritos, CA 90703  
Attn: RMA#\_\_**

MAXON's warranty policy does not include the reimbursement for travel time, towing, vehicle rental, service calls, oil, batteries, defects due to misuse or abuse, or loss of income due to downtime. Fabrication of parts, which are available from MAXON, are also not covered.

MAXON's Flat Rate Labor Schedule takes into consideration the time required for diagnosis of a problem.

### **PURCHASE PART WARRANTY**

Term of Warranty: 1 Year from Date of Purchase

Type of Warranty: Part Replacement

MAXON will guarantee all returned genuine replacement parts upon receipt and inspection of parts and invoice.

# Table of Contents

WARNING .....	PAGE 4
AUTOMATIC HYDRAULIC OVERRIDE LOCK .....	PAGE 5
CONTROL LOCATIONS .....	PAGE 6
LIFTGATE DECALS .....	PAGE 7
LOWER PLATFORM FOR DOCK LOADING .....	PAGE 8
OPENING THE PLATFORM .....	PAGE 9
RAISING THE PLATFORM .....	PAGE 10
LOWERING THE PLATFORM .....	PAGE 11
CLOSING THE PLATFORM .....	PAGE 12
LOADING THE PLATFORM .....	PAGE 13
OPERATING THE RETENTION RAMP .....	PAGE 14
SPECIAL DOCK APPLICATIONS .....	PAGE 15

## WARNING

1. Read the **Operator's Manual** and understand it thoroughly before operating this unit.
2. Read the urgent warning decal on the side of the vehicle close to the unit before operating.
3. If decals are dirty, clean them. If decals are defaced or missing, replace them. **Free replacements** are available from the manufacturer. See information at the end of the Warnings !
4. Be aware that the safety and location of other people or objects should be considered before operation of this unit. Stand to one side of platform while operating this unit.
5. Do not stand under, or have any foreign object under the Platform when lowering. **Be sure that the lowering of the Platform and/or Flipover will miss your feet!**
6. Keep fingers, hands, arms, legs, and feet clear of moving parts when operating this unit.
7. If Platform is used as a ramp between vehicle and dock, DO NOT ALLOW ANY TRANSFER OF LOADS TO EXCEED THE RATED CAPACITY OF THIS UNIT!
8. Do not allow children to ride, play with, or operate this unit.
9. In the event of an emergency while operating the unit, release the toggle switch and the unit will stop immediately.
10. A properly installed Lift should operate smoothly and the only noise during the operation of this unit should be from the Pump Unit during the raising of the Platform. Any scraping, grating or audible indications of rough operation will need investigating. The cause will need resolving before any further deterioration of performance occurs.

Use only **Maxon Authorized Parts** for replacement. Replacement parts should be ordered from:

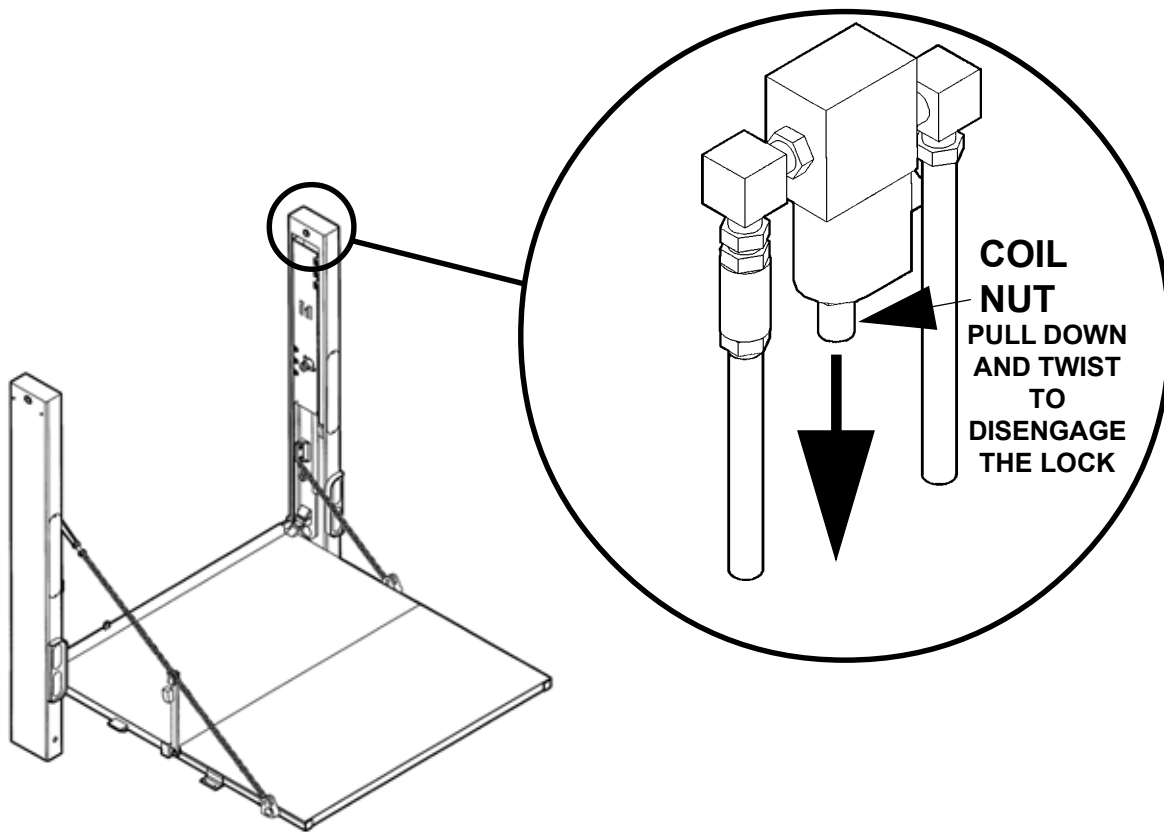
MAXON LIFT CORP. Parts Department  
11921 Slauson Ave., Santa Fe Springs, Ca. 90670  
Phone: (800) 227-4116

## AUTOMATIC HYDRAULIC OVERRIDE LOCK

Cumbersome, driver activated platform safety locks and chains are eliminated on MAXON's BMR Series by the use of hydraulic locks on each cylinder. Successfully tested and used in Europe and the U.S. for nearly a decade, this fully automatic system prevents the platform from accidentally opening or dropping in the event of hydraulic failure, or even if the hydraulic lines are completely severed.

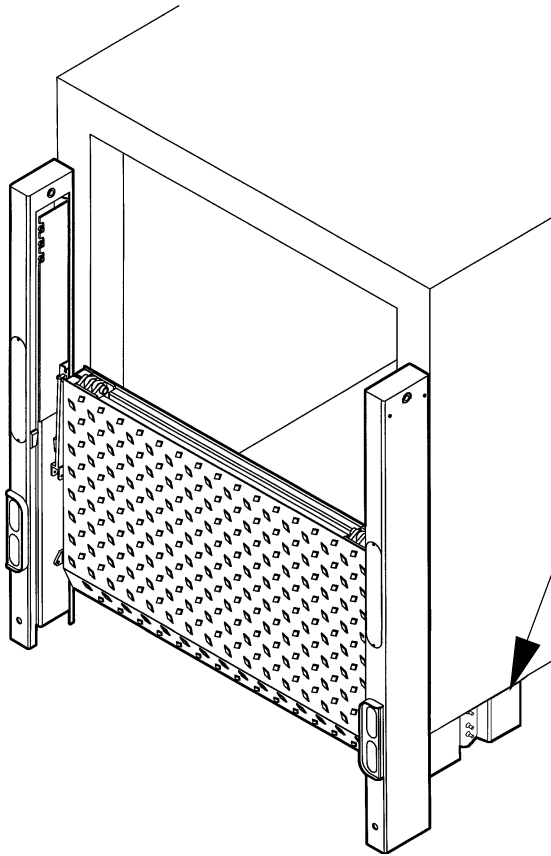
In the event that the BMR Column Lift will not lower, you will need to disengage both of the Hydraulic Override Locks. There is one located at the top of each Column.

To disengage, you must pull down on the Coil Nut and twist until it locks into place. To re-engage you must twist the Coil Nut and release. It will spring back into the original "Locked" position. Be sure to re-engage the Override Locks before moving the vehicle.



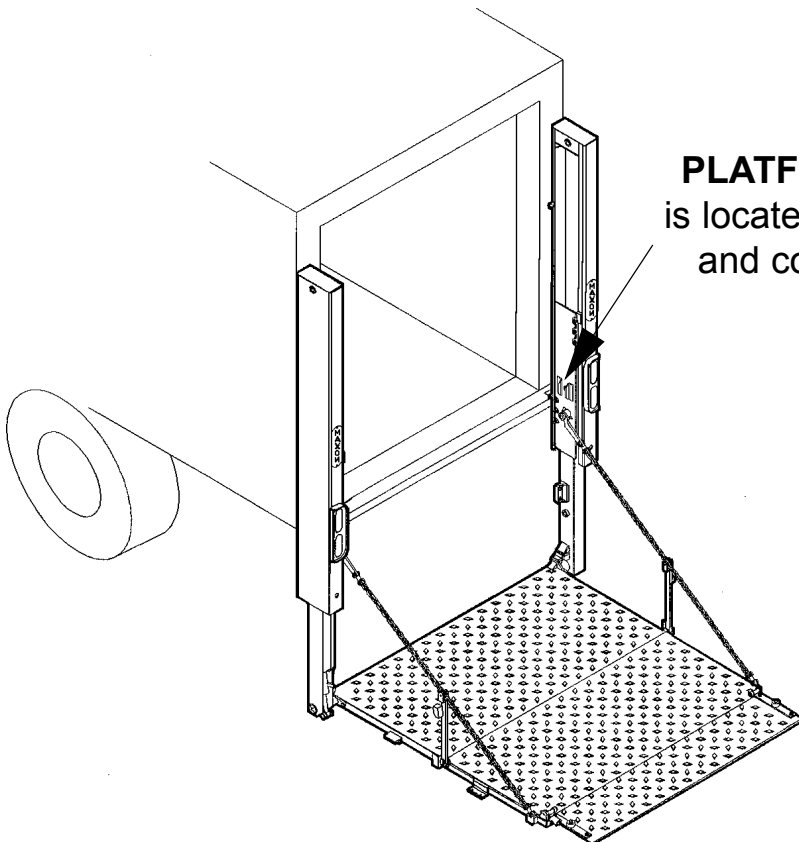
## CONTROL LOCATIONS

**MAXON**<sup>®</sup> 11921 Slauson Ave. Santa Fe Springs, CA. 90670 (800) 227-4116 FAX (888) 771-7713



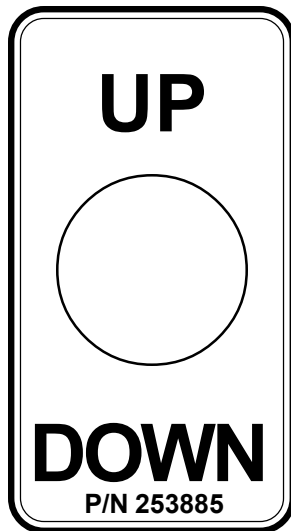
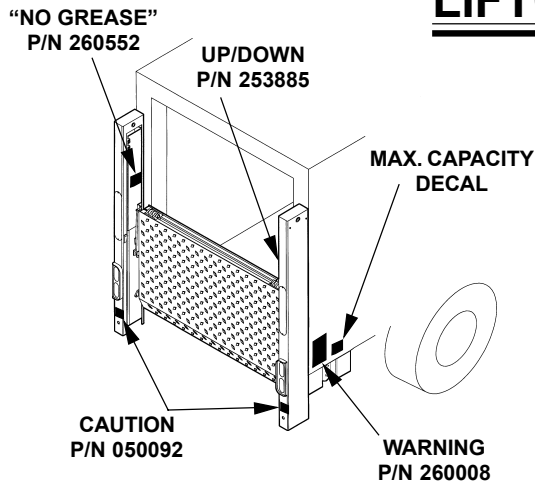
**STREET LEVEL CONTROLS** are located just ahead of the curbside and/or streetside column, below the side panel of the body.

These controls allow the operator full control of all lift functions including: up, down, fold, and unfold.



**PLATFORM LEVEL CONTROL** is located on the curbside runner and controls only the raise and lower operations.

# LIFTGATE DECALS



MAX. CAPACITY	PART NUMBER
4400 LBS.	253155
5500 LBS.	253161
6600 LBS.	253888



Decals should be read and understood before operating the unit.

Decals must be kept clean and readable at all times.

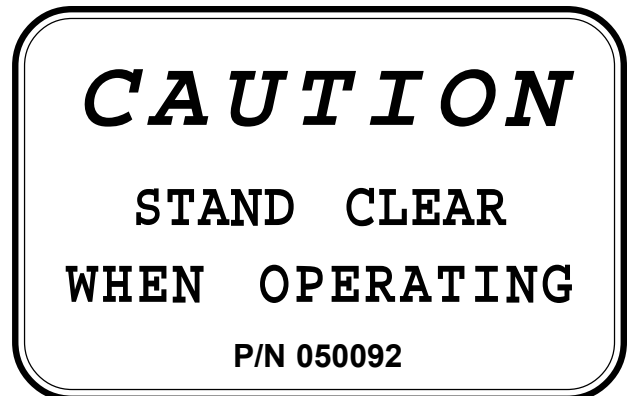
If the Decal should become detached from the vehicle, or defaced, or become unreadable, free replacements are available from MAXON Lift Parts Dept.

Please give Part Number when ordering.

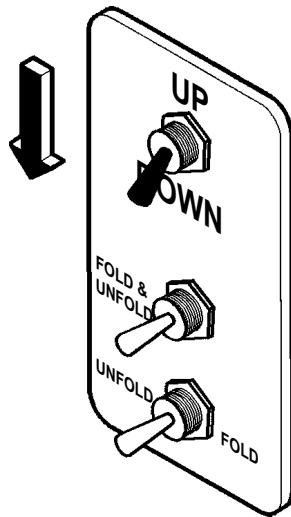
**WARNING**  
**READ CAREFULLY**

- Improper operation of this Lift can result in serious personal injury. Do not operate unless you have been properly instructed and have read, and are familiar with the operating instructions. If you do not have a copy of the instructions, please obtain them from your employer, distributor, or lessor, before you attempt to operate Lift.
- Be certain that the vehicle is properly and securely braked before using the Lift.
- Always inspect this Lift for maintenance or damage before using it. If there are signs of improper maintenance, damage to vital parts, or slippery Platform surface, do not use the Lift until these problems have been corrected.
- Do not overload the Lift. The load limit is based on evenly distributed cargo over the entire Platform surface. If you are using a pallet jack, be sure it can be maneuvered safely. Do not operate a forklift on the Platform or travel with the platform in an open position at any time.
- Load should be placed in a stable position close to the edge of the Platform nearest the truck. The heaviest portion of the load should never be placed beyond the center of the Platform away from the truck.
- Never allow yourself, a helper, or bystander to stand in a position where a falling load could land on either of you. Also do not allow any part of yours or your helper's body to be placed under, within, or around any portion of the moving liftgate, or its mechanisms, or in a position that would trap them between the platform and the ground or truck when the liftgate is operated.
- If a helper is riding the Platform with you, make sure you are both doing so safely and that you are not in danger of coming in contact with any moving or potentially moving obstacles. USE GOOD COMMON SENSE. If load appears to be unsafe, do not lift or lower it.

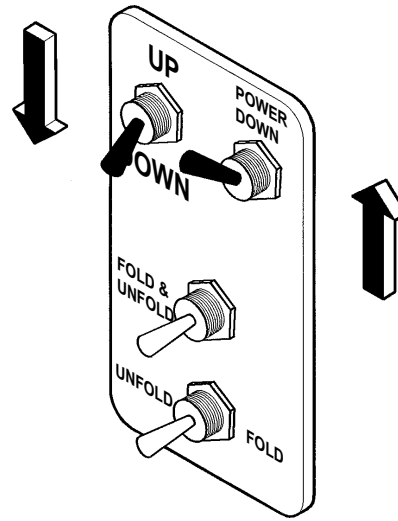
**MAXON LIFT CORP. PART NO. 264081**



# LOWER PLATFORM FOR DOCK LOADING



**GRAVITY DOWN**



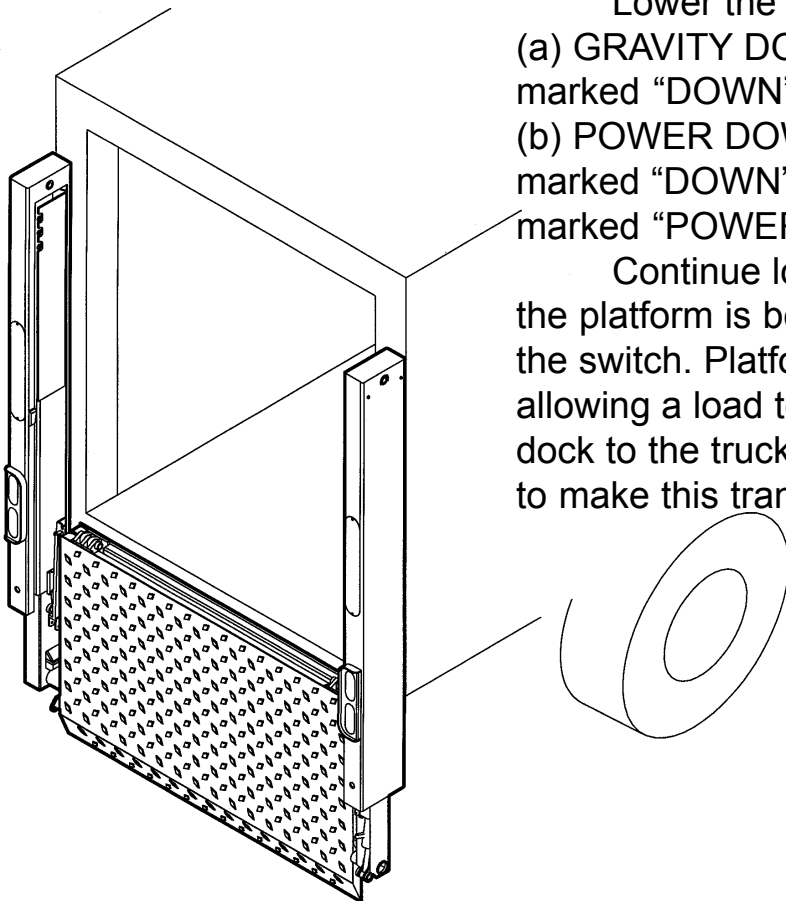
**OPTIONAL  
POWER DOWN**

Prior to opening the platform, be certain the area behind the vehicle is clear of people and objects that an open platform could strike.

Lower the lift using:

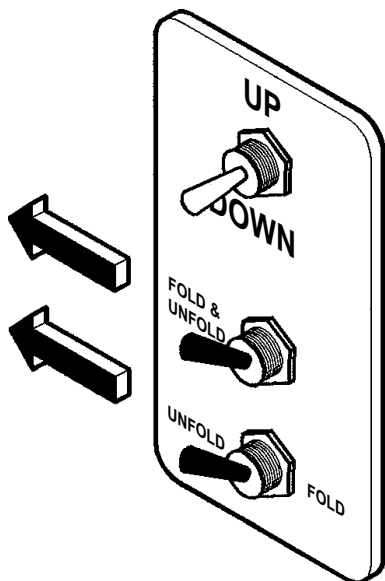
- (a) **GRAVITY DOWN:** push down on the switch marked "DOWN".
- (b) **POWER DOWN:** push down on the switch marked "DOWN" while lifting up on the switch marked "POWER DOWN".

Continue lowering the lift until the top of the platform is below bed height, then release the switch. Platform will lower without opening, allowing a load to be transferred to and from a dock to the truck. A dock plate should be used to make this transition.

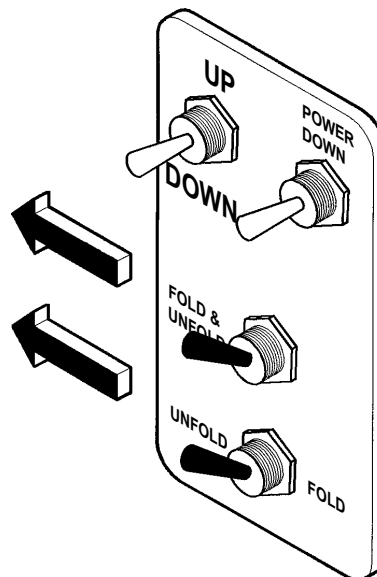




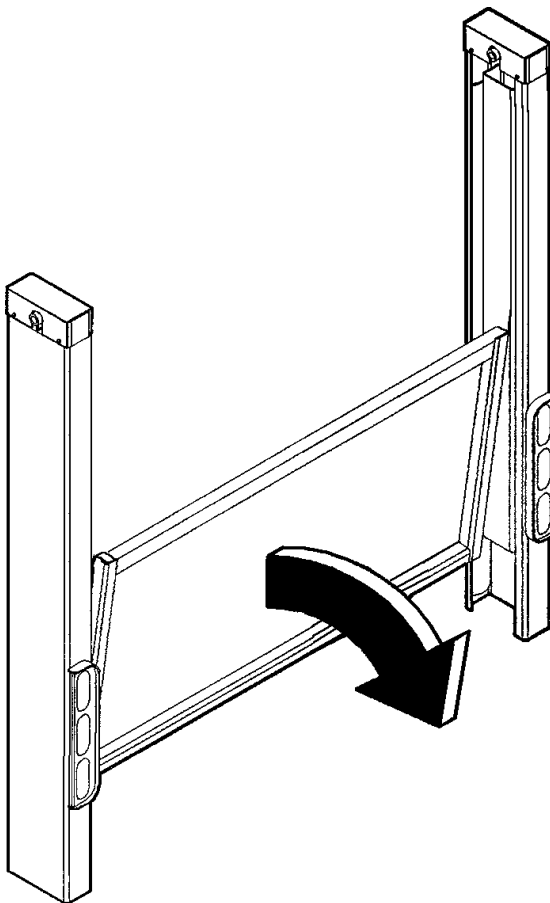
## OPENING THE PLATFORM



**GRAVITY DOWN**



**OPTIONAL  
POWER DOWN**

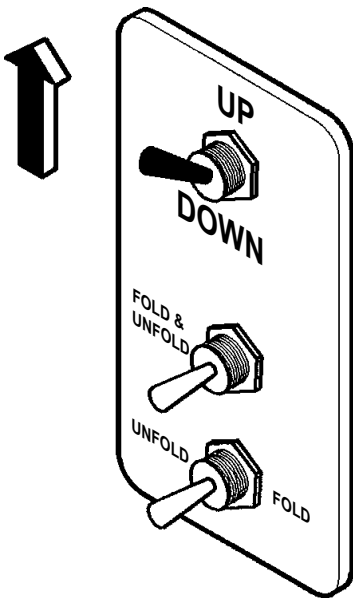


Prior to opening the platform, be certain the area behind the vehicle is clear of people and objects that an open platform could strike.

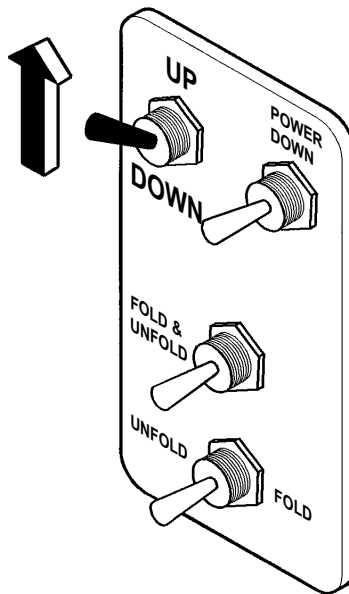
Lower the platform approximately 3" using the "DOWN" switch. This will release the platform from the locking wedge that is built into the liftgate.

Next, push the middle switch marked "Fold/Unfold" to the left while holding the bottom switch in the "Unfold" position. Continue holding these two switches until the platform reaches the horizontal "unfolded" position, then release the switches. Both switches must be actuated for this operation to occur.

# RAISING THE PLATFORM



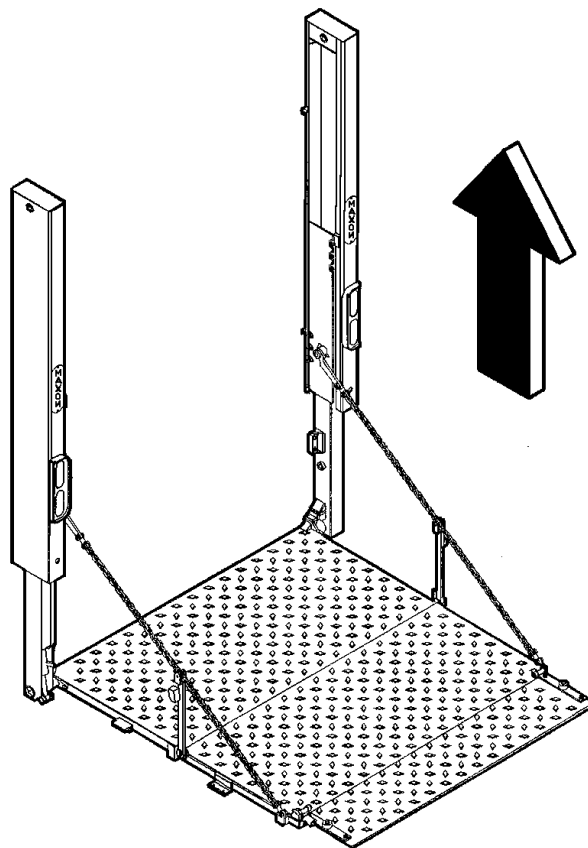
**GRAVITY DOWN**



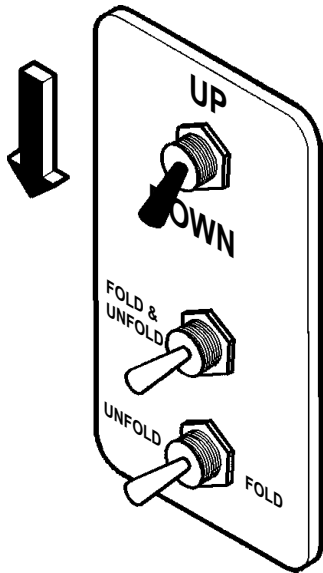
**OPTIONAL  
POWER DOWN**

Prior to raising the platform, be certain the area behind the vehicle is clear of people and objects that an open platform could strike.

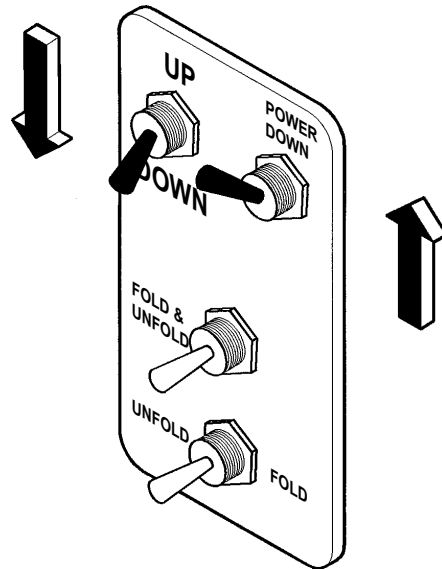
To raise the platform, lift up on the switch marked "UP" for both the gravity down units and the power down units.



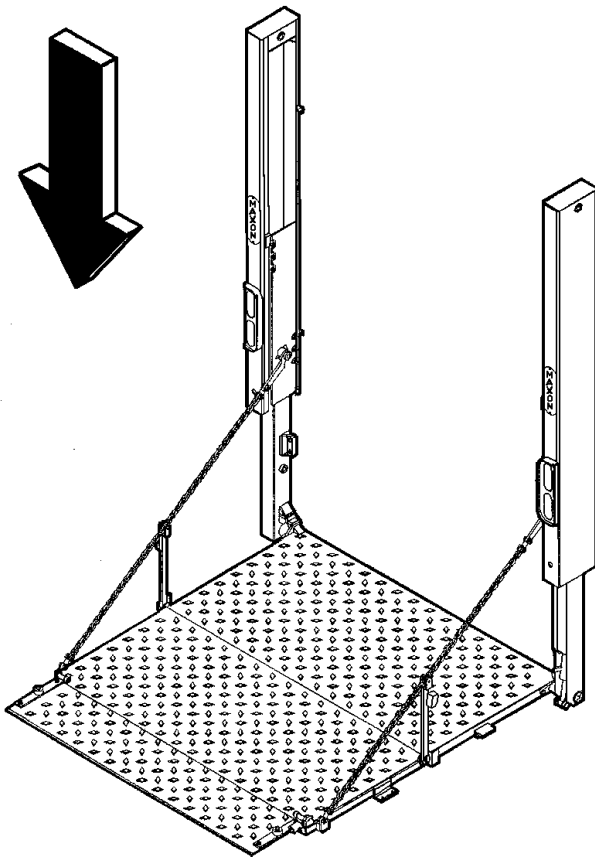
## LOWERING THE PLATFORM



**GRAVITY DOWN**



**OPTIONAL  
POWER DOWN**

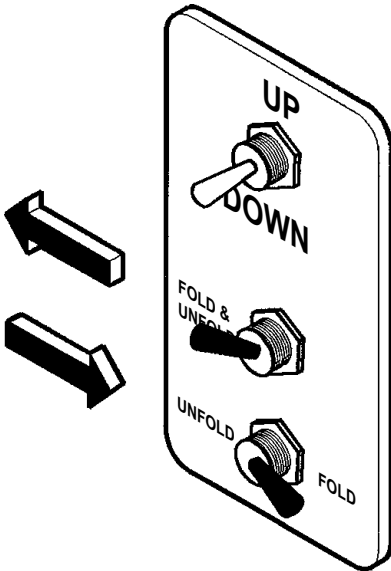


Prior to lowering the platform, be certain the area behind the vehicle is clear of people and objects that an open platform could strike.

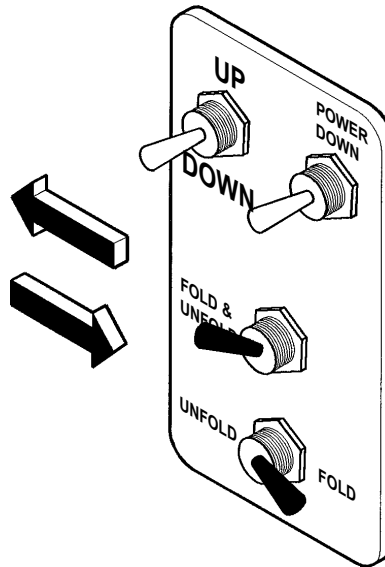
**GRAVITY DOWN** operation simply requires that you push the top switch to the "DOWN" position.

**POWER DOWN** operation requires that you push the top left switch to the "DOWN" position while also lifting the top right switch up to the "POWER DOWN" position.

## CLOSING THE PLATFORM



**GRAVITY DOWN**

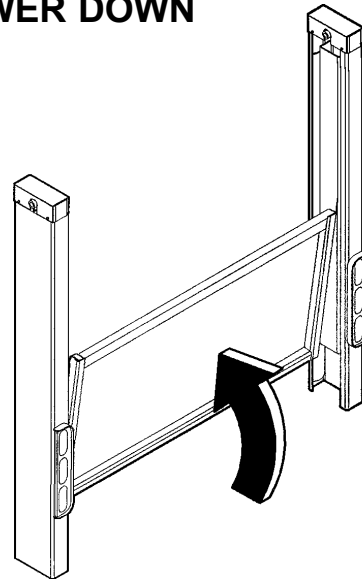


**OPTIONAL  
POWER DOWN**

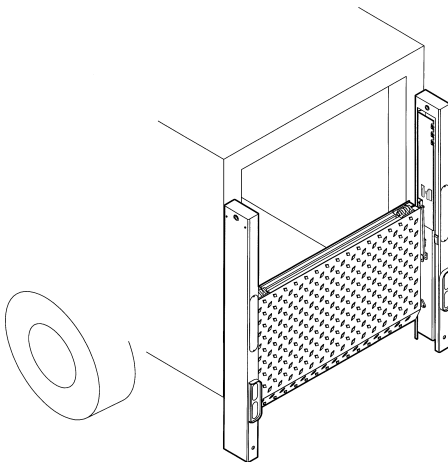
Prior to closing the platform, be certain the area behind the vehicle is clear of people and objects that an open platform could strike.

For both Gravity Down & Power Down units, push the middle switch to the left or "FOLD/ UNFOLD" position while pushing the bottom switch to the right, or "FOLD" position.

Continue holding these two switches until the platform reaches the vertical "folded" position, then release the switches. Both switches must be actuated for this operation to occur.

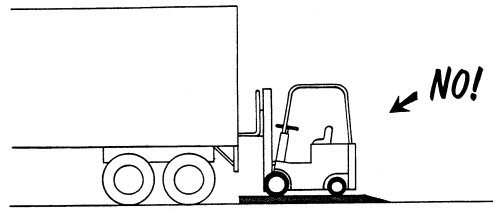


After folding the platform, lift up on the switch marked "UP" for both the gravity down units and the power down units, and hold until the platform reaches the locked or stowed position. Release the switch.

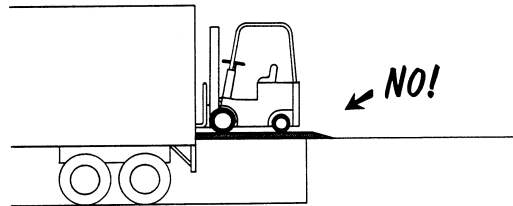


## LOADING THE PLATFORM

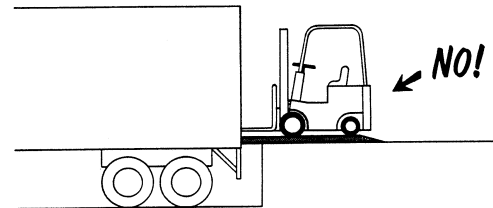
1. Do Not operate a forklift on the Platform at any time



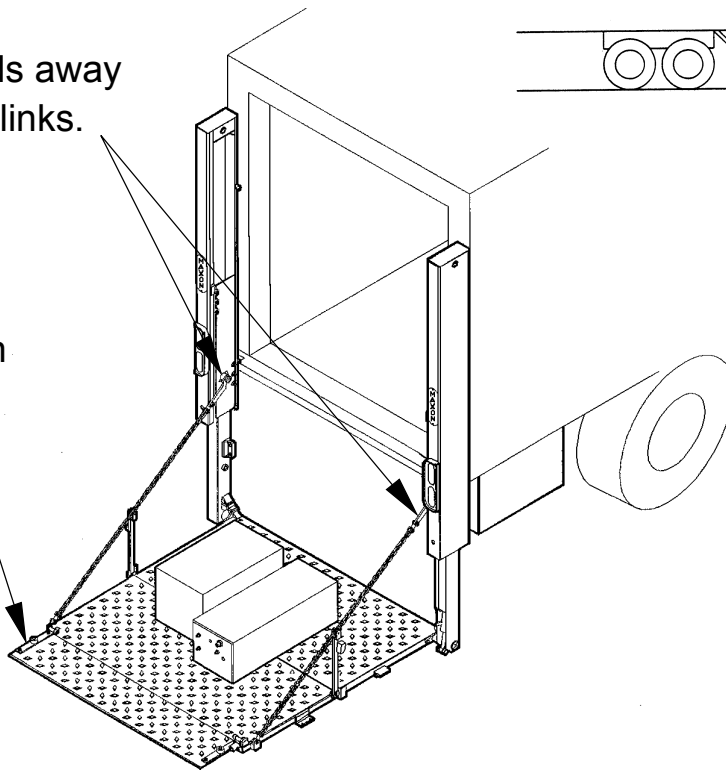
2. Do Not exceed the weight capacity of the liftgate.



3. Keep hands away from these links.



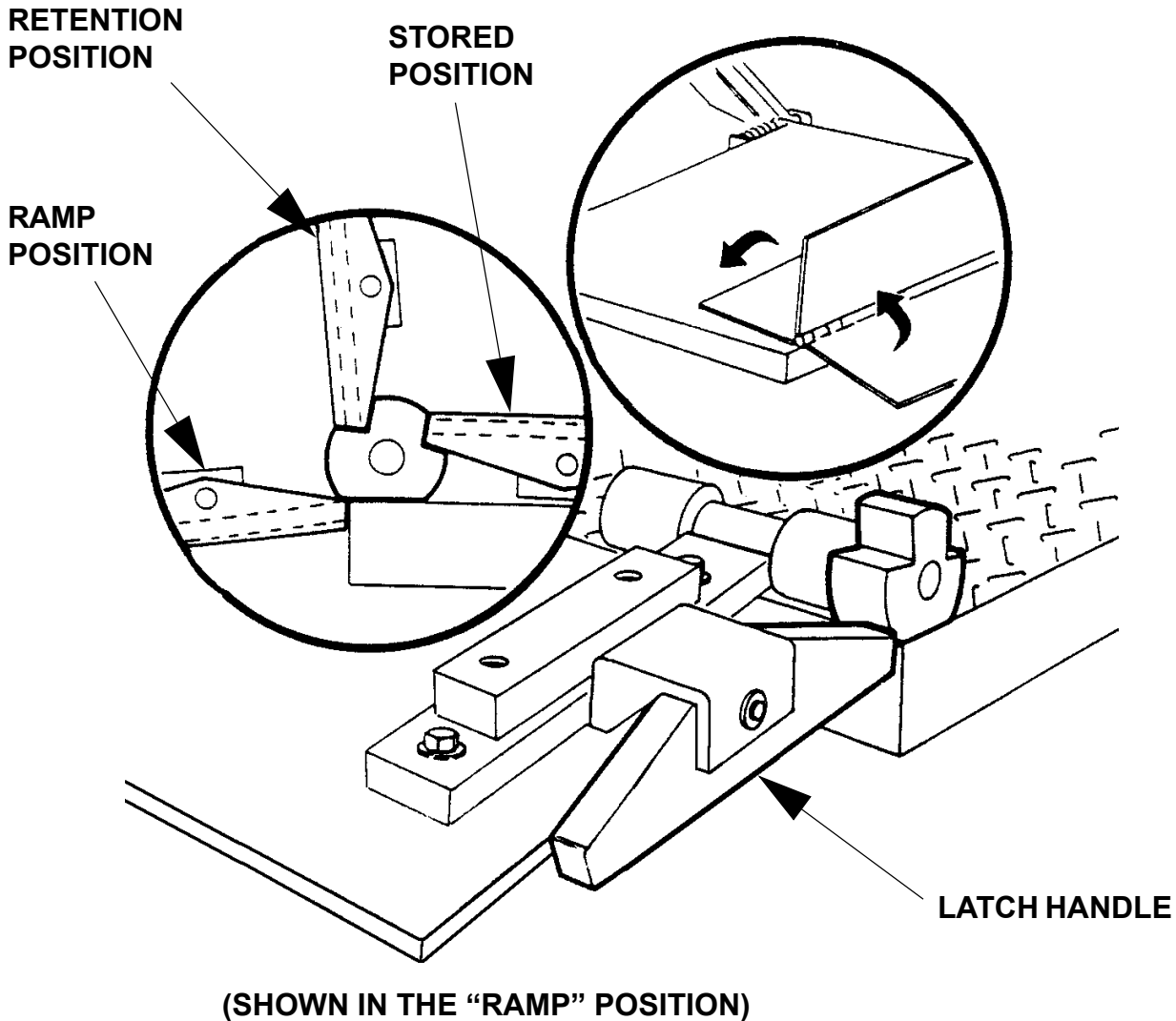
4. No load on the ramp.



All loads must be placed as close to the edge of the Platform, nearest the vehicle floor as possible. No part of any load should be allowed to extend over the edges of the Platform. Never place the heaviest portion beyond the center of the Platform. Do not place unstable loads on the Platform. Do not allow any load to exceed the rated capacity for the unit.

## OPERATING THE RETENTION RAMP

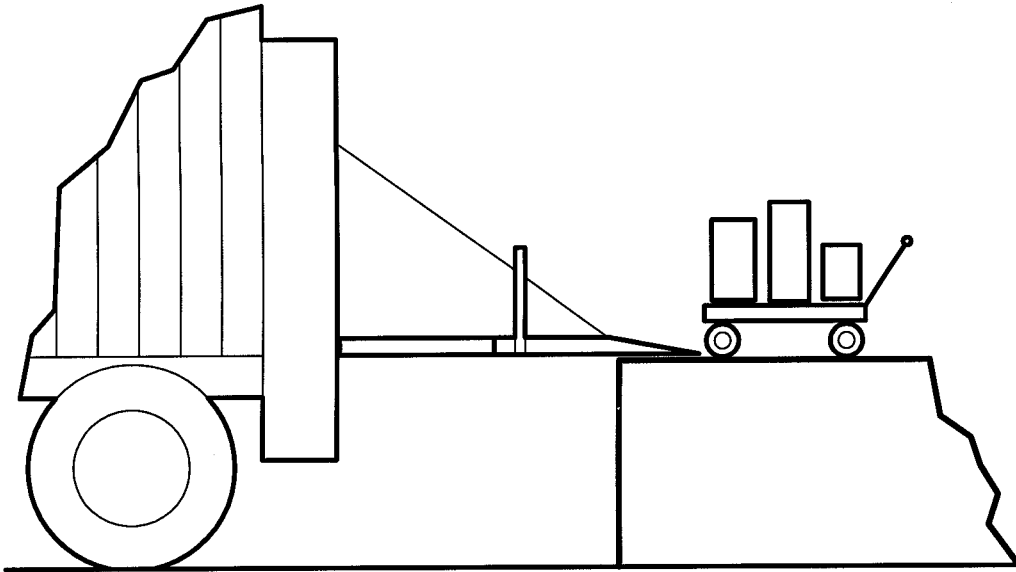
The Aluminum Retention Ramp uses an automatic spring-loaded latch. To “Un-Lock” for use, depress the latch and lift the ramp into the vertical or “**Retention**” position. Depress the latch again and lower to the ground to place in loading or “**Ramp**” position.



To replace ramp in the “**Retention**” position or to store it, lift up on the ramp and rotate it to the desired position. After folding to the “**Stored**” position, lift up on the ramp slightly to make sure it is properly latched against the platform.

## SPECIAL DOCK APPLICATIONS

Always rest the platform on the top of the dock before attempting to transfer loads.



Failure to do so could result in an accident or injury.

